

**MT3, 1-68aa, Human, His tag, E.coli**

**Cat.NO.: TP03040**

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3th Edition

**Synonyms:** Metallothionein 3 , GIF, GIFB, GRIF, ZnMT3

**Description:** Metallothionein 3, also known as MT3, binds heavy metals. This protein contains three zinc and three copper atoms per polypeptide chain and only a negligible amount of cadmium. This protein inhibits survival and neurite formation of cortical neurons in vitro. Recombinant human MT3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol

**Molecular Weight:** 9.3 kDa (91aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSM DPETPCPCPSGG SCTCADSCKCEGCKCT SCKKSCCSCCPAECEKCAKDC  
VCKGG EAAEAEAEKSCCQ

**Purity:** > 95% by HPLC

**Concentration:** 0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.